Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/22/2017 12:30 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125310	0	1.57	125131	1.56
Blue	F	SSC	125000	123190	-2	3.34	123501	3.13
Blue	E	FITC	23355	22778	-3	2.48	1016	10.09
Blue	D	PE	28848	28270	-3	2.02	1016	9.70
Blue	B	PerCP-Cy5-5	47791	47347	-1	3.40	1360	16.52
Blue	A	PE-Cy7	41358	40874	-2	5.04	633	34.57
Red	C	APC	51316	51131	-1	2.66	2945	9.11
Red	A	APC-Cy7	53225	52559	-2	2.69	1086	10.92
Violet	B	V450	14473	13831	-5	3.51	664	8.84
Violet	A	V500	59973	58813	-2	3.34	2616	6.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19667	3.06	605	7	N/A	N/A	Pass
Blue	F	SSC	61480	1.82	536	2	N/A	N/A	Pass
Blue	E	FITC	114	39.65	540	-4	0.0219	247	Pass
Blue	D	PE	222	28.41	535	-3	0.1606	218	Pass
Blue	B	PerCP-Cy5-5	212	45.40	626	-4	0.0108	161	Pass
Blue	A	PE-Cy7	69	116.90	677	-4	0.0126	17	Pass
Red	C	APC	347	26.19	587	-7	0.0220	51	Pass
Red	A	APC-Cy7	119	40.30	566	-10	0.0060	1915	Pass
Violet	B	V450	80	43.00	473	2	0.0466	2074	Pass
Violet	A	V500	190	23.24	505	4	0.0137	457	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/22/2017 12:30 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.91	-31.31	0.81
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.96	13.27 - 19.91	N/A	N/A	31.30	31.94	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11590

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments